

Abstract of the Disclosure

An apparatus, in particular for simulating
5 electrical sensor/actuator components, having a drive
module (4), which provides a model (5, 6, 7) of the S/A
component to be simulated and generates interface
signals (U_{1n} , U_n) in accordance with the signals of the
real S/A component to be simulated, and having a signal
10 interface (12, 26) for each connection pin (28, 29) of
the apparatus (1), which is driven by the real-time
signals (8, 9, 10, 11) of the drive module (4) and
generates, for each interface connection pin (28, 29),
an interface signal (U_{1n} , U_n) corresponding to the
15 electrical signals of the real S/A component, in which
case the current direction or the energy flow of the
interface signals (U_{1n} , U_n) can be directed, in a manner
influenced by a control/regulation circuit of the
signal interface (12, 26), towards the signal interface
20 (12, 26) or away from the latter, with the result that
the apparatus can optionally simulate a sensor or an
actuator.

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